



Columbia
VENETIAN BLINDS
and
WINDOW SHADES

THE COLUMBIA MILLS INC. 225 FIFTH AVENUE, NEW YORK, N. Y.

Columbia

WINDOW TREATMENTS

VENETIAN BLINDS
SHADE CLOTH

SHADE ROLLERS

WINDOW SHADES
AWNING ROLLERS

THE COLUMBIA MILLS, INC. are the largest manufacturers of Venetian Blinds and Window Shades. With factories in the East, Middle West, and Far West they are fully equipped to give the best in service and workmanship on jobs of any size. Columbia Quality products are continually standing up under the most rigid conditions.

SALES CHANNELS

● Venetian Blinds

Columbia Venetian Blinds are sold by Authorized Dealers, located throughout the country. These dealers have been appointed for their responsibility and their capacity to best fulfill the Architects' requirements. They are prepared to co-operate with the profession in planning and carrying out installations.

The names of authorized dealers in your locality will be furnished upon request. Their services can be fully relied upon and will meet with your approval.

● Window Shades and Rollers

Columbia Window Shades and Rollers are obtainable in specialty window shade shops, reliable department stores, at decorators, and at house furnishing stores all over the country, so that there is never any difficulty in procuring replacements, regardless of who makes the original installation.

ARCHITECTURAL SERVICE

Architects are invited to avail themselves of Columbia's Architectural Service Department. An expert will assist you in solving your Venetian Blind and Window Shading problems, and will help you to prepare specifications. Each of our branches (listed below) maintains such a service. Through this means you may be assisted in the selection of the proper type of window treatment, and be recommended to reliable dealers to supply your needs.

THE COLUMBIA MILLS, INC.

GENERAL OFFICES: 225 Fifth Avenue, New York

BRANCH OFFICES

BOSTON
CHICAGO
CINCINNATI
DALLAS
DENVER

DETROIT
JERSEY CITY
KANSAS CITY
LOS ANGELES
MINNEAPOLIS

NEW ORLEANS
PHILADELPHIA
PITTSBURGH
PORTLAND
ST. LOUIS

SAN FRANCISCO

SEATTLE



COLUMBIA VENETIAN BLINDS



The Residential Blind Showing the Appearance of the Smaller Scale of the 1 3/4-in. Slats

COLUMBIA manufactures three brands of Venetian Blinds, each for a purpose all its own. These are the Residential, Imperial and Controlite brands.

The three brands are all made with the same high standards of workmanship and material. Every blind is subject to the same rigid inspection and careful supervision. The important differences in the three brands are limited, for the most part, to refinements in operation.

RESIDENTIAL BRAND

For Residences • Has 1 3/4-In. Slats

The Columbia Residential Blind is particularly smart, designed especially for homes. Its chief feature is its narrow 1 3/4-in. slats that give the blind a compact appearance. In most cases it can be hung directly to the stop-head of the window. Being made for residential windows, it is not manufactured in sizes over 100 sq. ft. in area or 12 ft. in width.

The hardware, in keeping with the blind, is neat and unobtrusive. A worm gear is used on this type of blind to regulate the tilting of the slats. It keeps them in position once they are set. An Automatic Stop holds the slats at any height without tying the lifting cords.

IMPERIAL BRAND

For Very Finest Work • Has 2 3/8-In. Slats • Area to 250 Sq. Ft.

A Blind of the very finest quality. Designed particularly for commercial installations in offices, public buildings, etc., where the best is desired. It has many unique features found in no other blind on the market.

The slats are 2 3/8 in. wide, smoothly finished. A feature is the Columbia Patented Automatic Stop, which holds the blind at any desired height, without the need of first hitching the lifting cords to a cord holder. To lower, a slight pull on the cords releases the blind. The Columbia Patented Worm Gear Tilt Device is included with the Imperial Blind. This insures easy tilting of the slats and holds them in a positive manner once they are set.

CONTROLITE BRAND

Similar to Imperial but Without Some of Imperial Refinements

Where cost is a factor in commercial work the use of the Controlite Blind is suggested. It is a sturdy well built blind, guaranteed to meet the most rigorous tests. Although it does not have all the special features of the Imperial, it will stand up equally as well. Part of its standard equipment is the Worm Gear Tilt Device and Automatic Stop. The Controlite Blind has proven very popular for large commercial installations.



(Left) Mechanically Operated Blind in a Large Bank



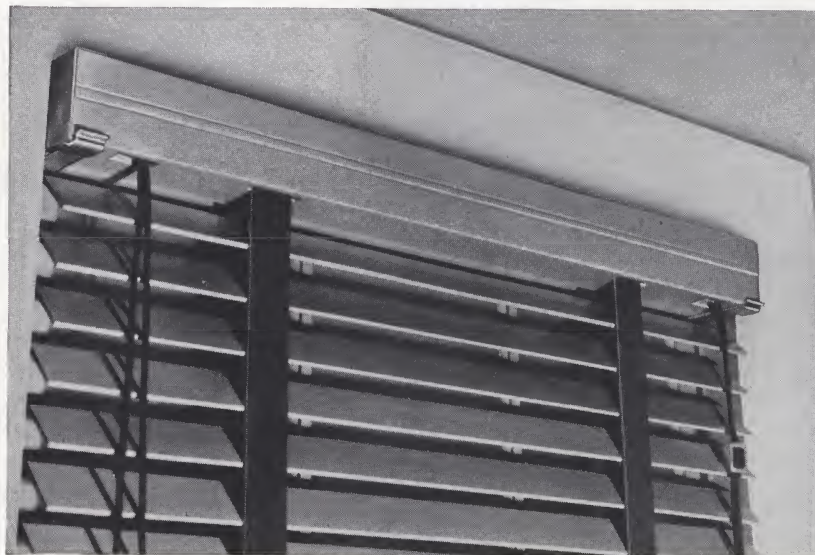
(Below) The Controlite Blind in Large Commercial Office

The New "Enclosed Head" Feature FOR COLUMBIA VENETIAN BLINDS

Columbia Venetian Blinds are now available with a new enclosed head feature. This consists of an attractive wood box at the top of the blind, which box conceals all operating mechanism. The box takes the place of the usual head and tilt rails.

The Enclosed Head feature is optional equipment on all brands of Columbia Blinds at a very slight additional cost.

The Enclosed Head is available with either moulded or plain face. It is $2\frac{1}{8}$ " wide by $2\frac{7}{8}$ " high. All other specifications for blinds equipped with this feature remain the same.



Close-up of Head of Blind with "Enclosed Head"

PLEASING APPEARANCE

Notice the perfect proportion of the enclosed wood head. Its lines are in keeping with the rest of the blind and harmonize with it. Equally important, the wood head blends with the usual wood window casing. The moulded face of the wood box gives it softness of line so necessary in decorative treatments of this character. The enclosed head eliminates fascia boards which formerly were used to conceal the blind mechanism.

PERMANENT FINISH

The same permanent finish applied to the slats is used for the Enclosed Head. Since the head is of wood it takes this finish beautifully and matches the slats.

SIMPLE, QUIET OPERATION

Simplified construction of the Enclosed Head makes it simple to operate and unusually quiet. Further, the blind may be raised and lowered while the slats are tilted. It is not necessary to tilt the slats to a horizontal position before raising or lowering, as in the conventional blind.

EASILY INSTALLED

Columbia Blinds with the Enclosed Head feature are as easily installed as the regular Columbia Blinds. Universal brackets, finished to match blinds, are used and the blind may be removed without the use of tools. When installed on face of casing, ends of box are concealed by the brackets.

View of Mechanism in Enclosed Head

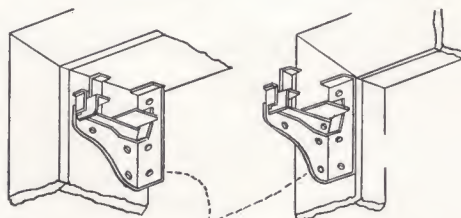


FEATURES OF COLUMBIA BLINDS

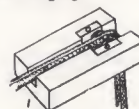
Universal Brackets

Brackets may be attached either inside or outside of casing. Head rail of the blind slips into brackets and locks itself there. Instantly removable by finger pressure on retaining guard.

Bracket installed for inside "A" and "B" style hanging.

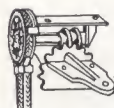


Bracket installed for outside "C" style hanging.



Automatic Stop

The new Automatic Stop which holds the slats at any height without the necessity of fastening the lifting cord.



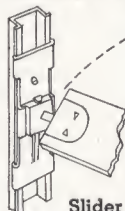
Worm Gear Tilt Device

Tilts slats to any desired angle and holds them securely in place.



Anti-Sag Center Support

Used on the wider Columbia Blinds to eliminate all possibility of sagging or warping. Gives extra support at center of head rail without interfering with tilting of slats.



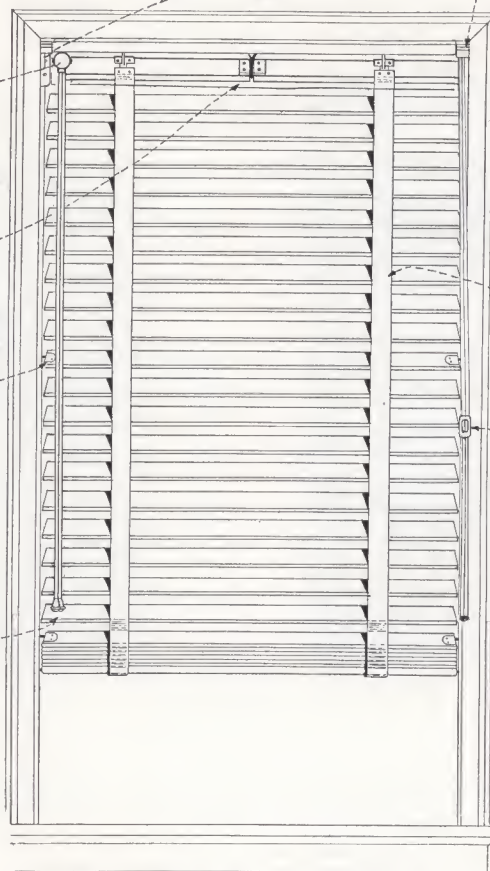
Slider Guides

An Optional feature to prevent billowing or swaying of blind in the wind.



Tilting Cord

Easy to grip. Lifting and tilting cords are of Columbia glazed braided cord. Furnished with cord knobs. Knobs painted to match blinds.



Single Pull, Two-Tape Blind



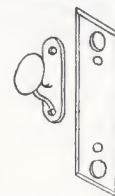
Tape

Specially woven tape. Cross tabs are woven directly into vertical tapes.



Equalizer

This simple device keeps lifting cords uniform and insures even raising and lowering of the blind.



Cord Holder

Furnished when Automatic Stop is omitted. Adapter plate finished to match color of the blind is furnished where necessary.

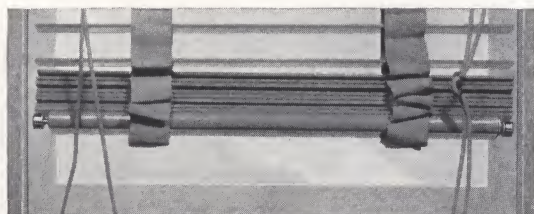
THE COLUMBIA SNAP STOP

Patented

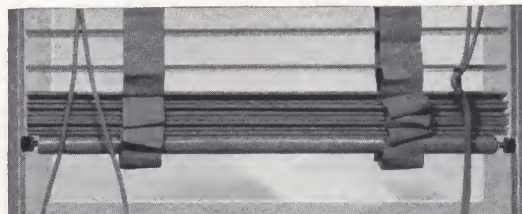
Prevents Swaying and Billowing of Blinds

This is a new patented device for preventing swaying or billowing. It is fitted in the bottom rail and equipped with rubber tipped plungers which grip the window jams or stops. See illustration below. This device can be used only on inside (A or B) installations. When not in use, the plunger on the right hand side recedes into the bottom rail and is held in position by a trigger.

Slight pressure on the trigger will release the plunger so that the Snap-Stop will hold the blind. To disengage the Snap-Stop, it is necessary only to grasp the bottom rail and move it to the right. This pushes the plunger back into its recess where it is held by the trigger mentioned above. Can be supplied with all three brands of blinds, but at an extra charge.



Snap
Stop
Closed



Snap
Stop
Opened

COMPARATIVE DETAILS OF THREE BRANDS

The specifications of the three brands of Columbia Blinds are given in the comparative table that follows. These differences are readily appreciated and will be of assistance in preparing your specifications.

DETAILS	RESIDENTIAL	IMPERIAL	CONTROLITE
Operation	Pulley operated type. (Roller and Mechanical Lifts not supplied with Residential Blinds). Blinds over 60" in width are made Compound Pull.	Pulley operated type for blinds up to 100 sq. ft. Blinds over 60" in width are made Compound Pull.	Same as for Imperial
Head Rail	1 7/8" wide by 7/8" thick	2 3/8" wide by 1 1/8" thick	2 3/8" wide by 1 1/8" thick
Tilt Rail	1 7/8" wide by 5/8" thick	2 3/8" wide by 3/4" thick	2 3/8" wide by 3/4" thick
Slats	1 3/4" wide by 1/8" thick	2 3/8" wide by 1/8" thick	2 3/8" wide by 1/8" thick
Bottom Rail	Single Pull: 1 7/8" x 5/8". Compound Pull: 1 7/8" x 7/8". All Compound Pull Bottom Rails use a regular 1/8" Slat on the bottom.	Single Pull: 2 3/8" x 3/4". Compound Pull: 2 3/8" x 1 1/8". All Compound Pull Bottom Rails use a regular 1/8" Slat on the bottom.	Single Pull: 2 3/8" x 3/4". Compound Pull: 2 3/8" x 1 1/8". All Compound Pull Bottom Rails use a regular 1/8" Slat on the bottom.
Pulleys	Lignum Vitae	Machine Steel Ball-Bearing	Lignum Vitae
Hardware	Bright zinc-plated. Copper plate if so ordered. Worm Gear is not plated and is always furnished in the natural aluminum color, its face painted same color as blind.		
Brackets	Columbia Universal Patented Snap Lock Bracket "U" Type Center Support Brackets supplied with	Same all Blinds taking Center Supports	Same
Tilting Device	Columbia Worm Gear Tilt Device. Equipped with Cord Knobs.	Same Same	Same Same
Maximum Size	Maximum area: 100 ft. Maximum width: 12 ft.	Maximum width: 16 ft. Maximum length: 25 ft. Maximum area: 250 sq. ft. irrespective of width or length.	Same as Imperial
Minimum Size	12"x24" or 2 sq. ft. with 12" as the minimum width	Same	Same
Finish	High Grade Enamel	High Grade Enamel	High Grade Enamel
Standard Colors of Slats	Eggshell White, Guernsey Cream, Champagne, Citron, Lettuce, Light Olive, Apple Green, Oyster White, Colonial Ivory, Peach Skin, Salon Gray, Coral, Azure, Natural wood, Parchment		
Tape Colors	Azure, Peach Skin, Cream, Mingled Linen, Wine, Chocolate, White, Rust, Drab, Nile Green, Apple Green, Tea Rose, Black, China Blue, Red.		
Color of Cords	Apple Green, Nile Green, Rust, Tea Rose, Azure, Cream, Peach Skin, White, Wine, Linen, Chocolate, Black, China Blue, Red.		
Automatic Stop	Supplied with all Blinds		
Special Equipment Furnished Where Specified	Slat Clips along with either inside, outside, or offset Slat Clips along with brass guide rod and brackets. Special Types of Universal Brackets.		
Special Color	Slats for Blinds, Rails, Tapes and Cords all matched to special colors at an added cost if required.		

TILT RAIL CONSTRUCTION OF IMPERIAL AND CONTROLITE BRANDS

Tilt Rails for Blinds over 40" wide are made of more than one piece. Anti-sag Center Supports are used to prevent sagging.

Width	Tilt Rail	Tapes	Center Supports	Width	Tilt Rail	Tapes	Center Supports
Up to and incl. 40"	1 piece	2	No C.S.	Over 121" to 148"	5 pieces	6	4 C.S.
Over 40" to 69"	2 pieces	3	1 C.S.	Over 148" to 175"	6 pieces	7	5 C.S.
Over 69" to 94"	3 pieces	4	2 C.S.	Over 175" to 193"	7 pieces	8	6 C.S.
Over 94" to 121"	4 pieces	5	3 C.S.				

TILT RAIL CONSTRUCTION OF RESIDENTIAL BRAND

Tilt Rails for Blinds over 40" wide are made of more than one piece. Anti-sag Center Supports are used to prevent sagging.

Width	Tilt Rail	Tapes	Center Supports	Width	Tilt Rail	Tapes	Center Supports
Up to and incl. 40"	1 piece	2	No C.S.	Over 94" to 121"	4 pieces	5	3 C.S.
Over 40" to 69"	2 pieces	3	1 C.S.	Over 121" to 144"	5 pieces	6	4 C.S.
Over 69" to 94"	3 pieces	4	2 C.S.				

BUNDLE SPACE FOR IMPERIAL, CONTROLITE AND RESIDENTIAL BLINDS

Bundle space represents the space occupied by the Blind when fully raised. The most satisfactory method of installing Venetian Blinds is to allow for a pocket above the window so that the Blind is completely concealed when raised. The tables below give data for figuring size of pockets. Where it is not practical to construct pockets, the bundle space shows how high Blinds should be hung above the opening, if installed on the casing, to clear the window entirely when raised. It will also show how much light will be cut off if the Blind is hung between the jambs. For illustration, see page 8.

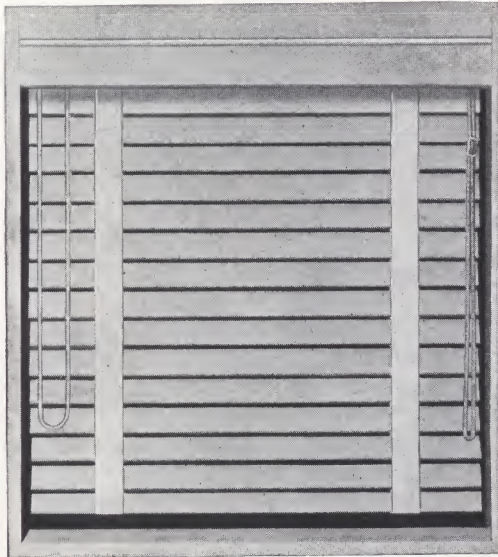
Type	Bundle Space	Width of Pocket
IMPERIAL AND CONTROLITE BLINDS		
Pulley	3 3/8" plus 1 1/4" for each foot in height of window opening	4 1/4"
Roller No. 1: Blinds up to 40 sq. ft.	5 3/4" plus 1 1/4" for each foot in height of window opening	5 "
Roller No. 2: Blinds up to 80 sq. ft.	5 3/4" plus 1 1/4" for each foot in height of window opening	5 1/2"
Roller No. 3: Blinds up to 120 sq. ft.	7 " plus 1 1/4" for each foot in height of window opening	6 1/4"
Roller No. 4: Blinds over 120 sq. ft.	7 3/4" plus 1 1/4" for each foot in height of window opening	7 "
Mechanically Operated: Blinds up to 160 sq. ft.	7 1/4" plus 1 1/4" for each foot in height of window opening	7 1/4"
Mechanically Operated: Blinds from 160 sq. ft. to 250 sq. ft.	8 3/4" plus 1 1/4" for each foot in height of window opening	7 1/4"
RESIDENTIAL BLINDS		
Pulley	2 3/8" plus 1 1/4" for each foot in height of window opening	4 1/4"

COLUMBIA BLIND FASCIAS

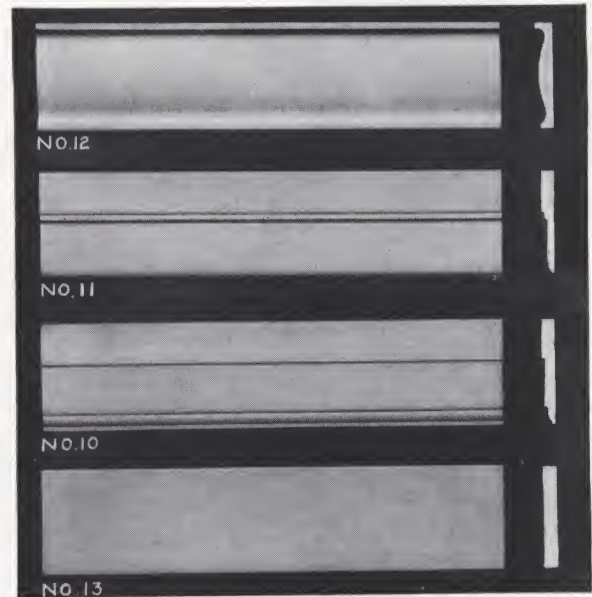
COLUMBIA STANDARD FASCIAS

The use of a fascia is recommended with Venetian Blinds as it hides the brackets and operating mechanism at the head of the blind.

Columbia Fascias are made of wood and are furnished in four standard shapes as illustrated on this page. They are ordinarily painted the same color as the slats, but can also be had in special colors.



Columbia Fascia No. 11 Used on
Inside Installation



Columbia Venetian Blind Fascia

SPECIFICATIONS FOR CONTROLITE BRAND

Venetian Blind Specification for.....(name)
Building(address)

General—All Venetian Blinds called for in these specifications and shown on plans or drawings shall be manufactured by THE COLUMBIA MILLS, INC., 225 Fifth Avenue, New York, N. Y. Only first quality materials shall be used, assembled in a workmanlike manner throughout to conform with the following specifications:

Brand—Blinds to be furnished under these specifications shall be the Columbia "Controlite" Brand.

Operation—Blinds up to 80 sq. ft. shall be regular pulley type assembly and lift raising cords, operating over pulleys on steel shafts. Blinds 60" wide and less made single pull. Blinds over 60" wide are made compound pull. Blinds over 80 sq. ft. shall be equipped with Columbia Auxiliary Roller Lifts.

Head Rail—Shall be 2 3/8 in. wide by 1 1/2 in. thick, exposed edges to be thoroughly sanded and rounded. Cord and pulley routings to be clean cut allowing sufficient clearance for free action of cords and pulleys.

Tilt Rail—Shall be clear well-seasoned wood 2 3/8 in. wide by 1 1/2 in. thick with exposed edges rounded and Cord slots shall be clean cut 1 1/2 in. long by 1/8 in. wide.

Slats—Shall be of uniform size 2 3/8 in. wide and 1/2 in. thick, made of best seasoned Bass Wood, free from pin knots, machine marks, etc. Cord slots shall be clean cut, without fractured edges, not over 1/8 in. wide slot. Ends and cord mortises shall be thoroughly finished.

Bottom Rails—(Blinds less than 60 in. in width.) Shall be best seasoned wood, 2 3/8 in. wide by 1 1/2 in. thick, edges thoroughly sanded and rounded. Recesses to be provided for knotting of lift cords.

Bottom Rails—(Blinds over 60" wide.) Shall be best seasoned wood, 2 3/8 in. wide by 1 1/2 in. thick. Under side to be recessed for cords and pulleys. Furnished with regular 1/2 in. covering slat on the under side.

Hardware—All hardware to be steel, bright zinc-plated. Face of worm gear painted to match slat color, rest of gear natural aluminum color.

Brackets—All pulley-operated blinds shall be hung on Columbia Universal Patented snaplock brackets, to enable removal of blinds for cleaning, etc.

Tilt-Device—All blinds shall be equipped with Columbia Worm Gear tilt device insuring smooth and quiet operation of blind by use of tilt cords.

Automatic Safety Stop—All blinds shall be equipped with Columbia Automatic Safety Stop which holds the blind in any position without the necessity of fastening the cords.

Center Supports—Blinds over 40 in. in width and wider shall be equipped with bright zinc-plated steel center supports to eliminate possibility of sagging or warping. To be of a design to allow full angle of tilt in either direction without interfering with slats.

Finish—All head rails, tilt rails, slats and bottom rails including ends shall be finished with high grade enamel to produce a semi-gloss velvet finish. Color to be selected from Columbia color line.

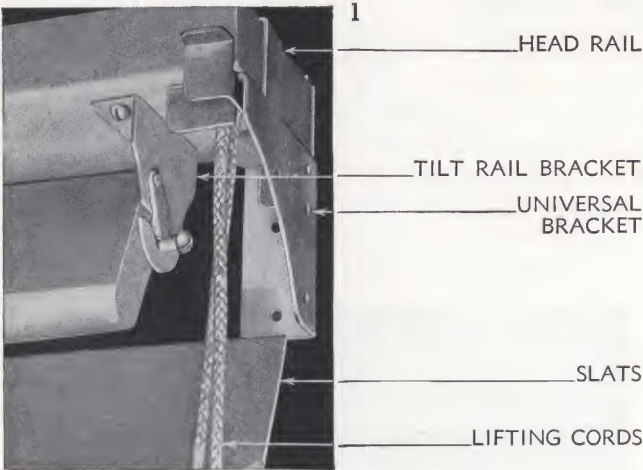
Tapes—Shall be first quality with cross straps interwoven, free from defects in warp, woof or weaving. End tapes shall be spaced not less than 4 in. or over 9 in. from ends of slats, intermediate tapes spaced not more than 28 in. on centers.

Cords—All cords shall be first quality No. 4 1/2 braided cord and glazed to minimize wear. They shall be of sufficient length to properly control the tilting and raising of the blind from the floor.

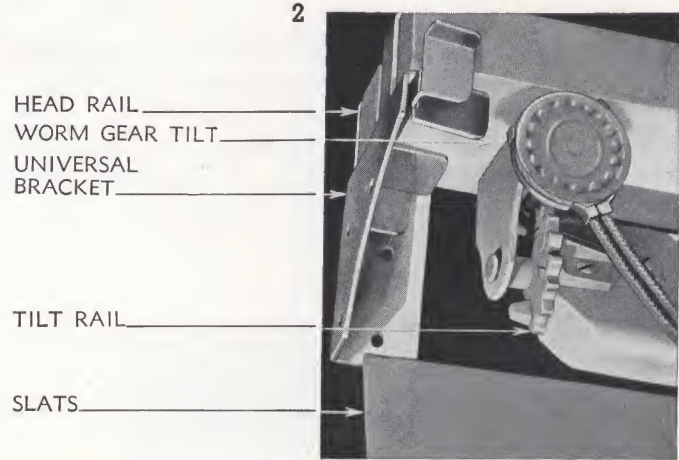
Installation—To be made in a thoroughly workmanlike manner in accordance with manufacturer's standards, and to be subject to inspection and approval of manufacturer's and architect's representative.

Note: Specifications for the roller and mechanically operated blinds, and for the Columbia Imperial and Residential Brands may be had upon request. Subject to change without notice.

OPERATION AND INSTALLATION



Right End of Head Rail of Pulley Type



Left End of Head Rail of Pulley Type

OPERATION

The operation of Columbia Venetian Blinds is simple. There are just two cords—one to raise and lower the slats—the other to tilt them.

For blinds installed at ordinary size windows the slats are raised and lowered by means of pulleys. As the size of the blind becomes larger, it is necessary to change the construction somewhat so that the blind will operate as easily and efficiently as the smaller sizes, despite the increased size and weight. These changes are made on Columbia Blinds in the following manner:

On Blinds Up to 100 Sq. Ft. in Area—Pulley operation is used. (Illustration: See Page 8.)

On Blinds from 80 to 120 Sq. Ft.—We recommend that

blinds of this size be raised and lowered by means of an Auxiliary Roller Lift. We do not make blinds over 100 sq. ft. without roller lift. (Illustration: See Page 8.)

On Blinds Over 120 Sq. Ft.—Mechanical roller lift is recommended. We do not make blinds over 140 sq. ft. without mechanical lift. (See Page 8.)

Headrail—Illustration 1 shows the right end of the head rail of the Columbia Brand. The automatic stop arrangement that stops the blind at any desired height without the need of hitching the lifting cords is placed in this end of Head Rail.

Illustration 2 shows the left end of the head rail of the Columbia Brand. The worm gear device for tilting the slats is shown here.

INSTALLATION

Columbia Venetian Blinds may be installed at any type window, skylight, transom or glass door.

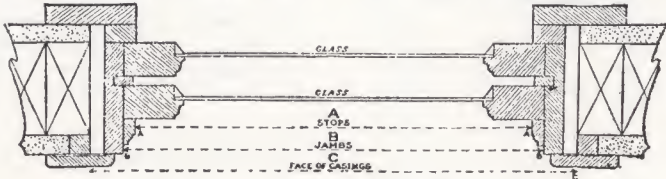
All three brands of blinds are hung at the window by means of Columbia Patented Universal Brackets. These Brackets may be installed on wood, metal, or plaster. The blinds easily slip into them, and a snap lock holds them in place. The Universal Brackets are used for installations either on the inside or face of the window casing.

Illustration 2 above, shows the head rail held in place by the Universal Bracket. Illustration 3 shows the three

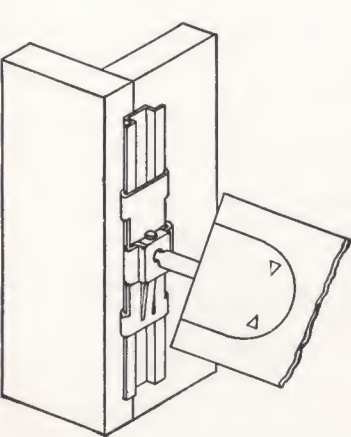
points at the window where blinds are usually installed. "A" installation is chiefly for the Residential Brand. "B" is used where the reveal is 2 in. or more deep. "C" installation is used where "A" or "B" installations are not possible.

For additional support on large size blinds, a U-type center support bracket may be supplied which gives additional support to the Head Rail.

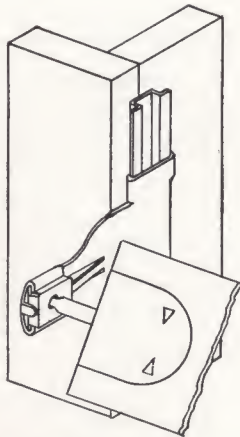
Where there is a great deal of wind pressure, Slider Guide equipment may be furnished to keep the blind from swaying in the wind. The three types of slider guides are shown below.



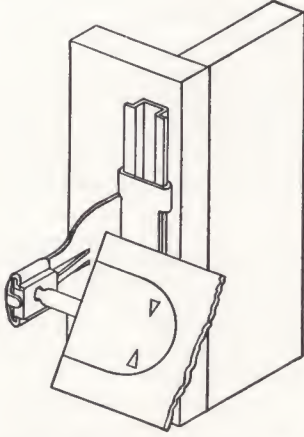
3 Where Blinds May Be Installed



No. 1: Inside Slider



No. 2: Offset Slider



No. 3: Outside Slider

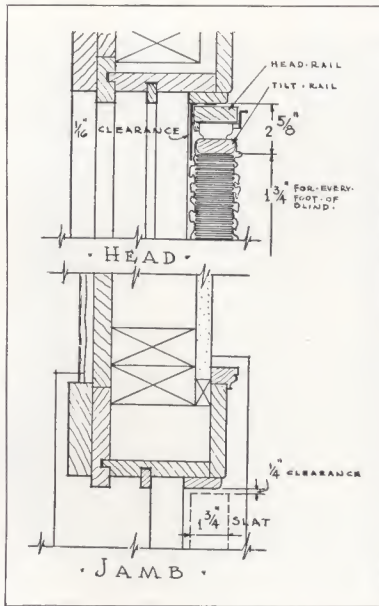
THREE TYPES OF SLIDER GUIDES

The three types of slider guides shown at the left are for inside or outside installations. No. 1 is used when the blind is hung between jambs. No. 2 is used when the blind is hung between jambs but where there is not sufficient clearance for No. 1. No. 3 is used when the blind is hung to the face of the casing.

Installation Details Continued on Next Page.

INSTALLATION DETAILS

Continued from preceding page

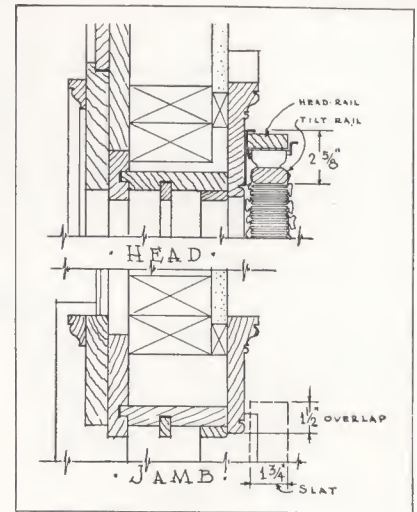
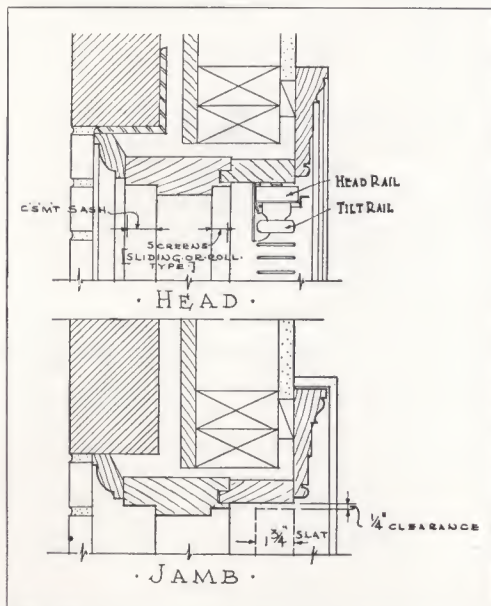


STOP BEAD

This method of installation is recommended where window reveal is shallow or entirely eliminated. Curtains may be hung in the usual way or under valances. Drawing above shows detail for Residential Blind. For dimensions on Controlite Blind see specifications on page 4.

INSIDE CASING

Where reveal or inside casing is sufficiently deep, this type of installation is recommended. Where a battery of windows occur having a total area of 80 sq. ft. or over, either two or more blinds should be used, or a single blind with roller lift, see page 9. Drawing below shows detail for Residential Blind. For dimensions on Controlite Blind see specifications on page 4.

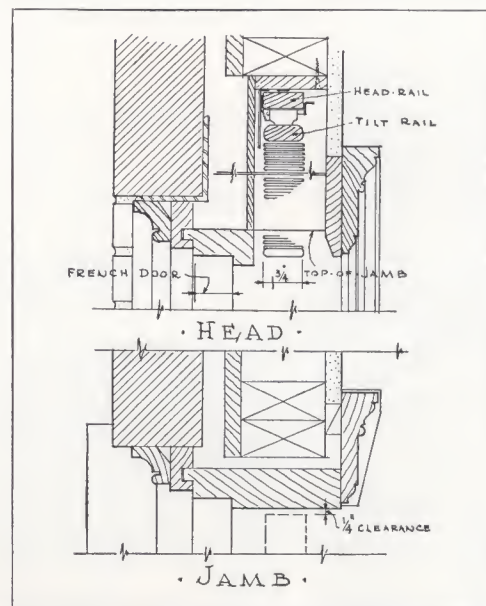


FACE OF CASING

With this arrangement of securing blinds to trim, it is advisable to hang draperies or curtains under a valance board covered with same material or painted to match trim and blinds. Stock valance boards are available. See page 5. Drawing above shows detail for Residential Blind. For dimensions on Controlite Blind see specifications on page 4.

CONCEALED POCKET

A most satisfactory manner of installing Venetian blinds, particularly over French doors or at windows where in-swinging window screens are to be used. For height of pocket see bundle space allowances on page 4. The illustration below shows detail for Residential Blind. For Controlite Blind see specifications on page 4.



DETAILS OF OPERATING MECHANISMS OF REGULAR PULLEY TYPE BLINDS

The raising and lowering of the average size Pulley Type Venetian Blind in all three brands is accomplished by means of pulleys and cords. The arrangement of the pulleys and cords differs for various size blinds.

Blinds under 60 in. in width are single pull. The cords are fastened to the bottom rail and run up through the slats behind the tapes and over the pulleys in the head rail.

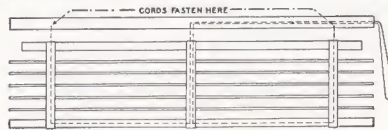
For blinds 60 in. and wider we use either of the two compound pull arrangements of pulleys and cords as shown below. In these types, pulleys are located in both the bottom rail and the head rail. These arrangements allow the same ease of operation as the smaller blinds.

THREE TYPES OF PULLEY ARRANGEMENTS



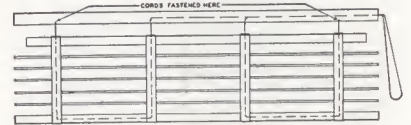
SINGLE PULL

Two Tapes
For Widths Up to 60 In.



COMPOUND PULL

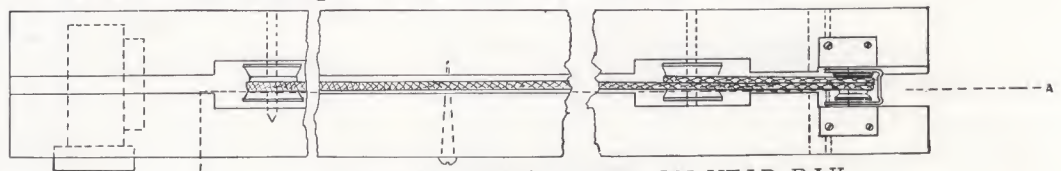
Three Tapes
For Widths Over 60 In.



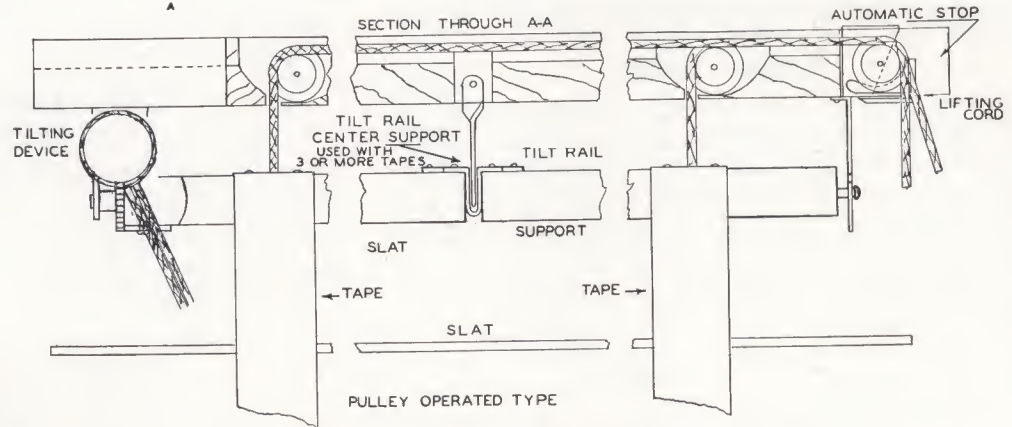
COMPOUND PULL

Four Tapes
For Areas Up to 100 Sq. Ft.

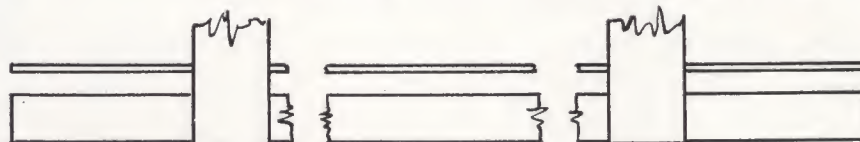
Note the Difference in Arrangement of the Operating Cord in Each Type



PLAN LOOKING DOWN ON HEAD RAIL



FRONT VIEW OF HEAD RAIL AND TILTING RAIL



FRONT VIEW OF BOTTOM RAIL

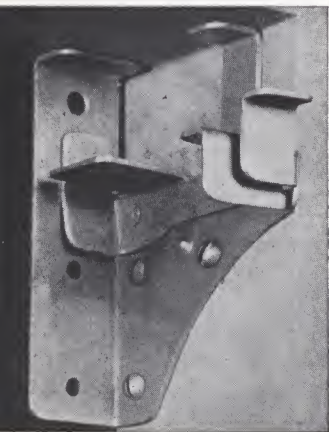
MEANING OF BUNDLE SPACE



The bundle space is the space occupied by the blind when fully raised. This varies for each blind and depends on the height of the blind as well as the size slat. See notes at bottom of Page 4.

QUALITY OF PULLEY DEVICE AND CORDS

On the Imperial Blind, the pulleys are ball-bearing and steel. On the Controlite and Residential Blinds, they are lignum vitae. These pulleys will run free at all times and are one reason Columbia Blinds raise and lower easily.



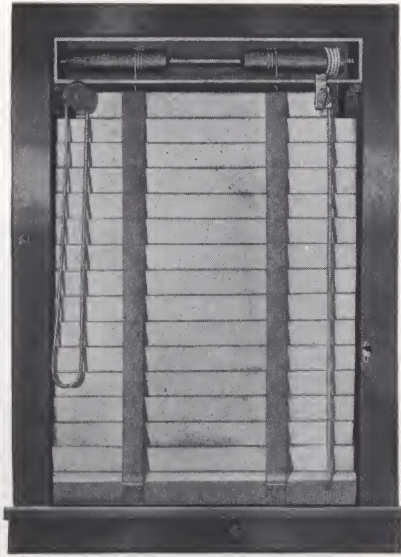
(Above) Universal Bracket

(Below) Showing Intermediate and Bottom Slider Guides



CLIPS ON EVERY TWELFTH SLAT

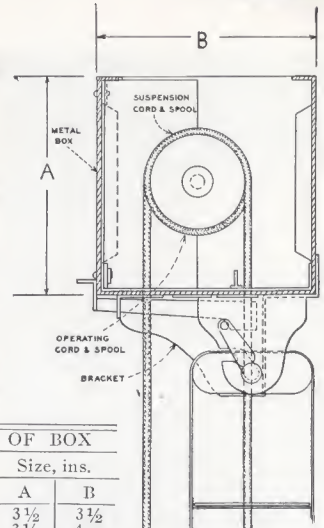
DETAILS OF OPERATING MECHANISMS OF ROLLER LIFT TYPE BLINDS



Model Showing Small Roller Lift

THE PRINCIPLE OF THE ROLLER LIFT BLINDS Made in Imperial and Controlite Brands

Roller lifts are for use on any blind where additional ease of operation is desired, but they are especially recommended for blinds 80 square feet or more in area. We do not build blinds without roller lift operation that contain over 100 square feet. The roller lift is housed in an open top metal box, can be supplied with removable front cover and it takes the place and position of the headrail in the Pulley Operated types. The slats are lowered and raised by means of a No. 4½ braided cord which is wound on oscillating spools, as illustrated. As the spool revolves it travels along its axis so the lifting cords wind evenly on it, thus the slats are always kept in perfect alignment. Illustration at the left shows the No. 1 Roller Lift with the front of the box cut away. For size of boxes see table at right.



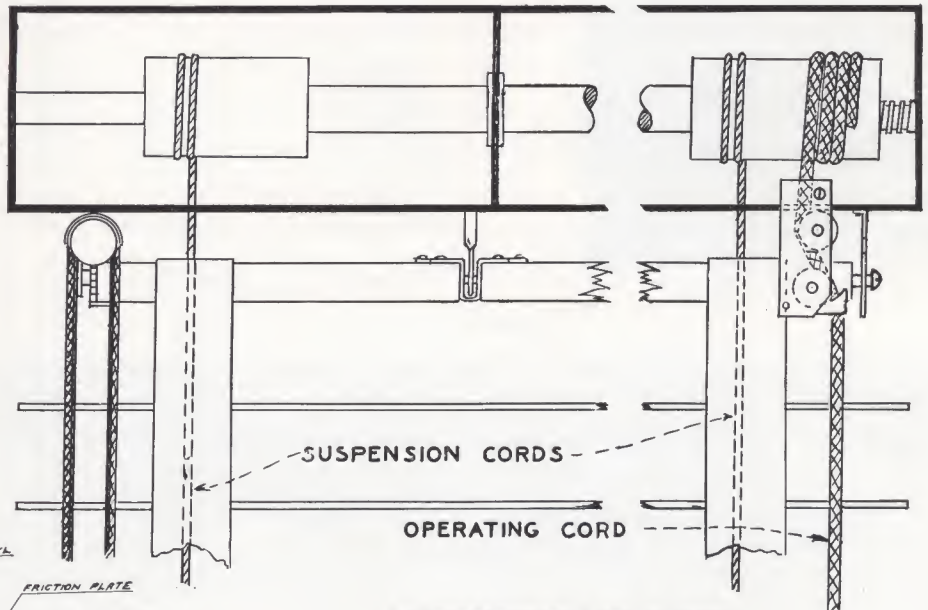
Section
Through
Metal Box
and Head

SIZE OF BOX		
Blind area, sq. ft.	Size, ins.	
	A	B
40	3½	3½
41-80	3½	4
81-120	4¾	4¾
120 up	5½	5½

Right:

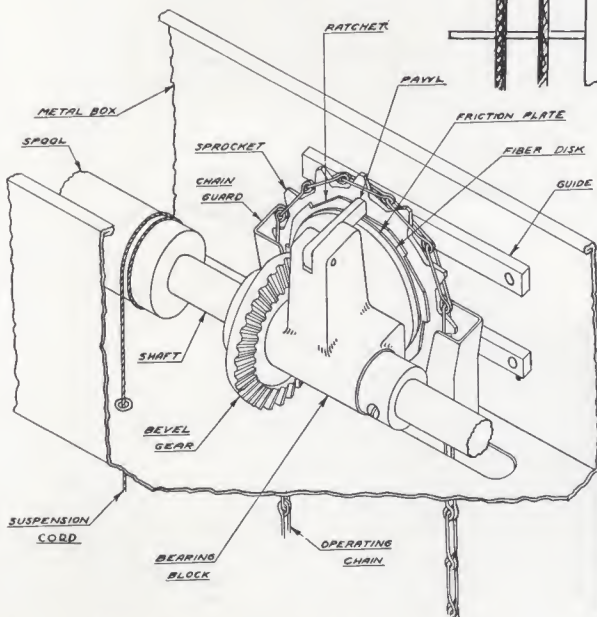
Front View of Roller Type
Blinds Showing Operating
Principle and Parts

Note—Where Metal Box is enclosed in an architectural transom of large windows, provision must be made for removing face of transom and metal box for access to inside of box for replacement of cords in case of accident. Face of transom should be screwed in place.

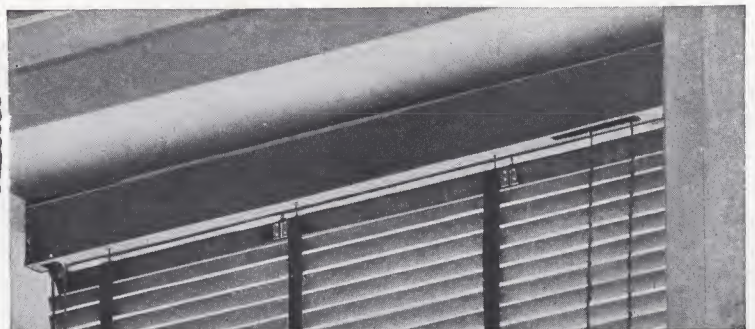


MECHANICAL LIFT BLINDS

On blinds over 120 sq. ft. we recommend mechanical roller tilting mechanisms to insure easy and proper operation of blinds. In any event, we do not make blinds over 140 sq. ft. without mechanical roller lift operation.



Mechanical Roller Lift Style No. 3



Mechanical Roller Lift Installed

SPECIAL TYPES OF COLUMBIA BLINDS

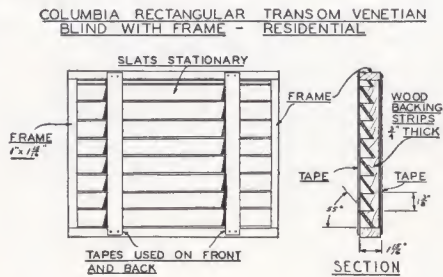
The illustrations below show some of the ways in which Columbia Blinds may be adapted to special treatments such as Skylights, Circle Top and Gothic windows.

The new valance blind shown at the left is designed especially for store windows. It meets the need for an attractive valance made especially for this type of work.

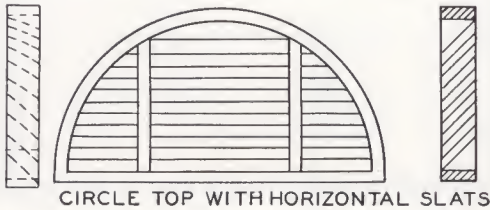
Tapes have been replaced by metal hanging strips, finished in a bright zinc plate. The slats fit into these strips at a fixed angle of 45 degrees. The slats are removable. Metal strips fold up so that window may be cleaned.



Columbia Valance Blind



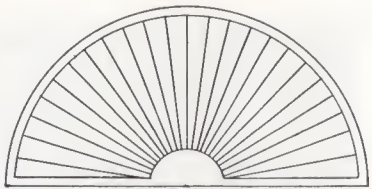
FOR DETAILS OF THIS FRAME CONSTRUCTION, WRITE TO COLUMBIA MILLS



CIRCLE TOP WITH HORIZONTAL SLATS

GOTHIC HEAD BLINDS

As installed in the New York Hospital Group, Cornell Medical Center, New York



SUNBURST BLIND



A Columbia Blind with Sunburst



COLUMBIA WINDOW SHADES

Columbia window shades are made in a variety of grades to suit practically every taste and purpose. There are several qualities in particular that are of interest to the architect. These qualities are described in detail on the following pages.

RIGIDLY SUPERVISED MANUFACTURE

The manufacture of Columbia window shades is carried out in Columbia's modern factories. Each step is carefully supervised and the cloth and rollers are put through rigid inspection tests to insure uniformity of quality.

IMPORTANT POINTS ABOUT WINDOW SHADES

The quality and service of window shades for any particular purpose depends upon several important factors, each of which should be taken into consideration when drawing up specifications. The cloth base should be of sufficient thread count to withstand heavy service. Loosely woven fabrics must be filled to give the cloth weight, and this results in a shade that may be nice to look at, but is sadly lacking in wearing qualities. The suggested fabrics on the following pages are made of closely woven muslin, tested to stand up under severe service.

As important as the base cloth are the finishing processes. For the architect's purpose, two types of shades are recommended. First, those which are painted and finished by hand. Such cloths are of sturdy construction, yet are pliable and hang flat at the window. Crescent Tinted Cambric and Damasko Hevi-Duty are the Columbia cloths in this classification. Crescent is finished with a light coat of paint, thoroughly brushed into the cloth by hand. It has a warm, translucent appearance at the window. This type is especially desirable for fine homes. Damasko is treated in much the same manner, but with a heavier finish that makes it so desirable for school and public building work. It "wears like iron." The second general type of cloth for the architect's consideration, is a pyroxylin impregnated fabric. Niagara is the Columbia cloth in this classification. It is not only impregnated with pyroxylin to make it absolutely washable and waterproof, but in addition is painted with pure oil paints to protect the cloth from burning out under exposure to sunlight. Niagara also has a soft, velvety finish unlike other washable shade cloths.

ROLLER IS IMPORTANT

A window shade is no better than the roller on which it is mounted. Columbia rollers are made in a variety of diameters to supply the correct amount of lifting strength for any particular purpose. Columbia rollers are made in both wood and metal. All Columbia springs are made to have constantly a liberal amount of reserve strength so that the entire strength of the spring is not exhausted in operation.

Our representatives are available at all times to assist the architect in drawing up specifications and in working out installation details.

COLUMBIA SHADE CLOTH

- NIAGARA
- DAMASKO HEVI-DUTY

- CRESCENT TINT
- VELLMO

Columbia Shade Cloth is manufactured in several grades, each grade for a particular service. Following will be found a detailed description of each quality. Samples of each will be sent upon request to any of our branch offices.

Each quality of Columbia Shade Cloths is manufactured to the same high standards. Each is rigidly inspected. Shade accessories, including brackets for any type of installation can be furnished. For detailed information, refer to the Columbia Roller Catalogue, which will be sent upon request.

NIAGARA

A washable, waterproof shading of the finest quality. Its translucent, warm, clear colors, and velvety texture, combined with the fact that it can be easily washed without injury to finish, shape or texture, make it a beautiful as well as economical window shade. It hangs flat and will not stretch; it will not crack, show pinholes, or flake, even after numerous washings.

The high quality of this shading is preserved indefinitely at an extremely low maintenance cost. Its washability insures the permanence of its beauty.

It may be used for all purposes where a high grade, durable, and attractive shade is desired. It is especially recommended for residences, and for apartments, hotels, schools, and other public buildings. Width to 72 inches.

CRESCENT TINT

An unfilled, tinted cambric. The base is a 72x80-count cambric of the highest quality, made especially for the purpose. It is sized and painted by hand. Being translucent, it allows the sunlight to filter through it, toned into warm soft colors. It is weatherproof, cleanable, and will not crack or show pinholes. It is recommended for fine public buildings and for private homes. Width to 150 inches.

DAMASKO HEVI-DUTY CAMBRIC

Made from the same base as Columbia Crescent Tint, a high-est grade, 72x80-count cambric. Like Crescent, it is hand sized, hand painted and cleanable, but it is opaque and heavier in weight. This quality renders it especially appropriate for withstanding continuous hard usage. It will not crack or show pinholes.

Recommended for schools, office buildings, hospitals, and other places where a heavy duty shade is necessary. Width to 150 inches.

VELLMO (LIGHT-PROOF)

Where complete exclusion of light is essential Vellmo is recommended. It will completely exclude light without the sacrifice of color scheme, and is a light-proof shade of real beauty. It is ideally adapted for use in dark rooms, X-ray rooms, and auditoriums where pictures are shown. Width to 150 inches.

COLORS

Columbia Niagara is made in the following tone colors: Egg-shell White, Parchment, Chamois, Persian Gold, Peachskin, Strained Honey, Circassian Brown, Hunter Green, Canton Jade and Evergreen. Also Meadowbrook and Frontenac Duplexes.

Crescent Tint, Damasko Hevi-Duty, and Vellmo are also obtainable in the above colors in addition to many other standard colors. Special colors for these three grades are available if desired. Sample books will be furnished on request.

WINDOW SHADE and AWNING ROLLERS

COLUMBIA GUARANTEED WOOD ROLLERS

Columbia Full Round Wood Rollers are made from carefully selected, well-seasoned, kiln-dried wood, and are fitted with durable metal ends which are absolutely rustproof. Extra weight springs give more than ample lifting power and have great reserve strength. Special semi-closed end construction protects the pawls from dust, moisture, and ravellings. They are made in standard sizes of $\frac{1}{8}$ in. to $1\frac{1}{4}$ -in. in diameter and 18 in. to 6 ft. in length.



COLUMBIA GUARANTEED METAL ROLLERS

Columbia Metal Rollers are manufactured of specially selected prime open-hearth tin-plate. The barrel is lock-seamed, doing away with sharp edges and giving the barrel strength and rigidity. Sagging and buckling of the rollers is prevented by this lock-seam, consisting of four plies of metal.

Brackets for metal rollers are of aluminum alloy. They are lighter, stronger, and of better appearance than the heavy cast iron type.

Metal rollers are made in the following sizes: 1, $1\frac{1}{4}$, $1\frac{1}{2}$, $1\frac{3}{4}$, $2\frac{1}{4}$, 3, 4 and 5-in. in diameter, and in lengths from 18-in. to 26 ft.



COLUMBIA GALVANIZED AWNING ROLLERS

Columbia Awning Rollers are made with galvanized iron barrels. All other parts have a rust-proof, zinc-plated finish except the pawls, which are of brass.

They are constructed throughout for heavy work and are provided with unusually powerful spring mechanisms. Awning roller brackets are sherardized and rust-proof.

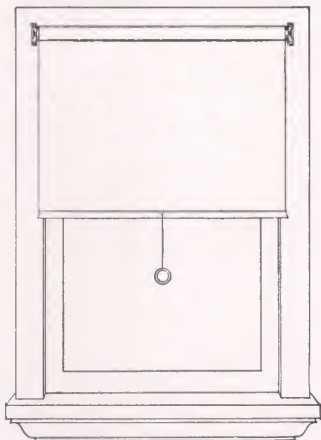
All Columbia rollers are guaranteed against defects in materials and workmanship.

INSTALLATION SUGGESTIONS

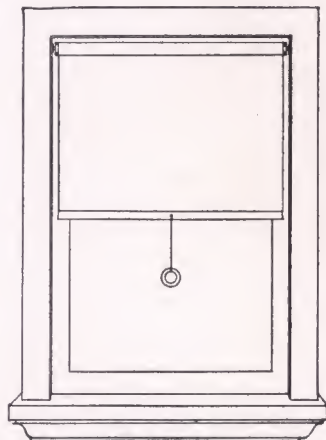
Columbia Shades may be installed at any type of window opening, including all types of casement windows.

Information regarding any particular situation will be furnished through our Architectural Department.

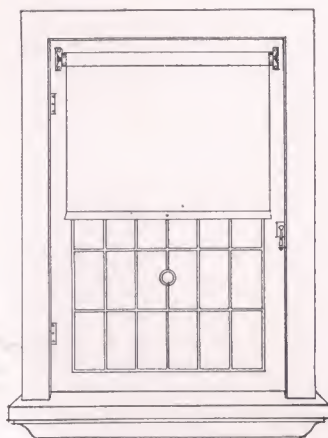
The illustrations below indicate the most widely used types of window openings and the manner in which the shades are installed.



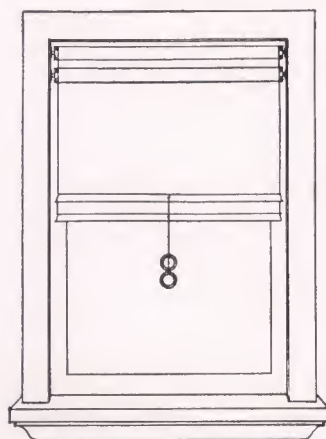
Outside Hung
Brackets fastened to the face of the casing



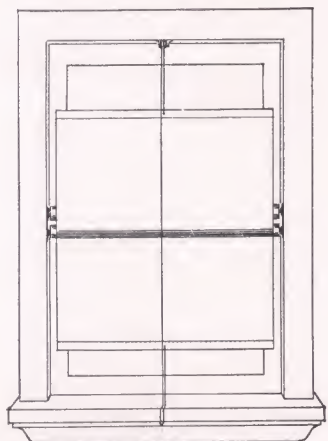
Inside Hung
Brackets fastened to the inside of the casing



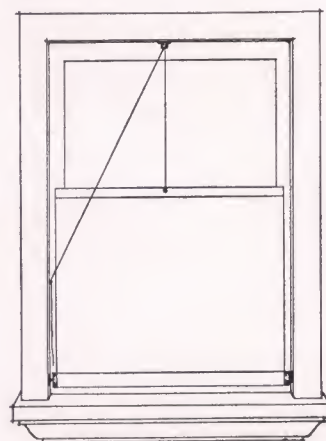
Casement Hung
Brackets fastened to top rail of casement sash



Two Shades Hung on the Inside of the Casing



Double Hung Installation
One shade pulls up and the other down. May be inside or outside the casing



Bottom-up Installation
Inside or outside with stop pulley

STANDARD SPECIFICATION FOR WINDOW SHADES

Window Shade Specification for.....(name)
Building(address)

General—These specifications shall cover the manufacture and correct installation and operation of all window shades. Shades shall be made in a thoroughly workmanlike way, cut square and true, and mounted on rollers in the same manner, using suitable substantial fasteners. The materials used in the manufacture of these shades shall be commercially perfect and of first quality.

All shades shall be clean and free from dirt, finger marks, and other imperfections due to faulty handling. A complete shade shall be submitted with bid as a sample and will be held until job has been approved.

The contractor shall be responsible for any damage to the building, which is caused by him or his employees; he must also protect his work from damage until released by its final acceptance and must clear away all surplus material or scaffolding used in the erection of the shades.

Cloth—All shades shall be made of (Niagara, Washable-Waterproof), (Damasko Hevi-Duty Hand-made Unfilled Cambric), (Crescent Hand-made Unfilled Tinted Cambric), (Vellmo Light-proof Cloth), as manufactured by THE COLUMBIA MILLS, INC.

The above cloth to meet Government specifications CCC-C-521 of September 16, 1930.

Color—Shall be.....(as selected)

Length—All shades shall be finished 12 in. longer than actual height of the window frame.

Rollers—All shades shall be mounted on *Columbia* Guaranteed Metal Rollers of () diameter and shall be constructed with lock-stream reinforced barrels.

Alternate clause for wood rollers: All shades shall be mounted on *Columbia* Guaranteed Wood Rollers of () diameter.

Slats—All shades shall be equipped with smooth, kiln-dried wooden slats of either $\frac{7}{8}$ in. or $1\frac{1}{4}$ in. in diameter as the conditions demand. Shades over 5 ft. in width shall be equipped with smooth, kiln-dried wooden 2-in. slats in hems.

Eyelets—All shades shall be equipped with stainless aluminum eyelet in center of hem for cord.

Cord—All shades to be equipped with No. (..) cord, same to match color of shades, and securely fastened in the center eyelet, allowing enough length to permit the shade to be drawn to the bottom of the window and rolled to the top without going over the roller and fastened 24 in. above the sill on the left side.

Cord Holders—Cord holders are to be installed 24 in. above the sill. To consist of Parker hollow metal screws in the event that the casings are of steel or other metal. On wood casings, Crampton cord holders are required.

Brackets (for Metal Rollers)—On steel or other metal casings, aluminum brackets are to be installed in the proper location at the top of the window, and are to be securely fastened in this location by the use of hollow metal or machine screws. In the event that the casings are of wood, brackets are to be fastened by means of brass wood screws.

Brackets (for Wood Rollers)—Brackets for wood rollers shall be stamped nickel-plated steel brackets fastened with brass wood screws if the casings are of wood. On steel or other metal casings, brackets shall be securely fastened either by use of machine or hollow metal screws.

Delivery—All shades shall be completed 30 days after receipt of contract or date agreed upon.

Note: This quotation covers labor, materials and all appliances herein specified above for the necessary installation and complete operation of the shades.

THE COLUMBIA MILLS, INC.



**VENETIAN BLINDS
AND
WINDOW SHADES**

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